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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. BHT-3244-8 10/700,537 6097 11/05/2003 Schang-Jing Hon EXAMINER 7590 08/09/2005 TROXELL LAW OFFICE PLLC PICARDAT, KEVIN M ART UNIT PAPER NUMBER

SUITE 1404 5205 LEESBURG PIKE FALLS CHURCH, VA 22041

2822 DATE MAILED: 08/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)
	10/700,537	HON ET AL.
Office Action Summary	Examiner	Art Unit
	Kevin M. Picardat	2822
The MAILING DATE of this communicate Period for Reply	ion appears on the cover sheet wit	h the correspondence address
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICA* - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communica* - If the period for reply specified above is less than thirty (30) day - If NO period for reply is specified above, the maximum statutor - Failure to reply within the set or extended period for reply will, be any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	TION. 'CFR 1.136(a). In no event, however, may a relation. ys, a reply within the statutory minimum of thirty y period will apply and will expire SIX (6) MONT by statute, cause the application to become ABA	ply be timely filed (30) days will be considered timely. HS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed or	n <u>25 May 2005</u> .	
2a) This action is FINAL . 2b)	☑ This action is non-final.	
3) Since this application is in condition for a	allowance except for formal matte	ers, prosecution as to the merits is
closed in accordance with the practice u	nder <i>Ex parte Quayle</i> , 1935 C.D.	11, 453 O.G. 213.
Disposition of Claims		
4)⊠ Claim(s) <u>1-25</u> is/are pending in the appli	cation.	
4a) Of the above claim(s) 8-20 is/are with	ndrawn from consideration.	
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-7 and 21-25</u> is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction	and/or election requirement.	
Application Papers		
9)☐ The specification is objected to by the Ex	caminer.	
10)⊠ The drawing(s) filed on <u>05 November 20</u>	03 is/are: a)⊠ accepted or b)□	objected to by the Examiner.
Applicant may not request that any objection	to the drawing(s) be held in abeyand	e. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the	correction is required if the drawing(s	s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by	the Examiner. Note the attached	Office Action or form PTO-152.
Priority under 35 U.S.C. § 119		•
 12) Acknowledgment is made of a claim for f a) All b) Some * c) None of: 1. Certified copies of the priority doce 2. Certified copies of the priority doce 3. Copies of the certified copies of the 	uments have been received. uments have been received in Ap	plication No
application from the International I	` ''	
* See the attached detailed Office action for	r a list of the certified copies not re	eceived.
Attachment(s)		
1) Motice of References Cited (PTO-892)	4) 🔲 Interview Su	mmary (PTO-413)
2) Notice of Draftsperson's Patent Drawing Review (PTO-9		/Mail Date ormal Patent Application (PTO-152)
 Information Disclosure Statement(s) (PTO-1449 or PTO- Paper No(s)/Mail Date 	/SB/08) 5/ ☐ Notice of fills 6) ☐ Other:	omar atent дрикации (г 10-152) .
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Election/Restrictions

Applicant's election of Group I claims 1-7 and 21-25 in the reply filed on 25 May 2005 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-7 and 21-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's admitted prior art in view of Lin US 6,255,129.

Applicant's admitted prior art teaches a method for manufacturing a GaN based compound semiconductor light-emitting device including an n-GaN based layer, a MQW layer, a p-GaN layer, etching, forming a TCL and forming electrodes (see page1, line 15 to page 4, line 12).

The admitted prior art does not teach using a ZnO layer as the TCL.

Lin discloses forming a GaN based LED including a TCL (801) which can be made of ZnO (see fig. 8 and related text).

Therefore it would have been obvious to use the ZnO layer of Lin as the TCL in applicant's admitted prior art because ZnO has a better light transparency than the Ni/Au layer of the prior art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin M. Picardat whose telephone number is 571-272-1841. The examiner can normally be reached on Monday-Thursday 7:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on 571-272-1852. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kevin M. Picardat Primary Examiner Art Unit 2822

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